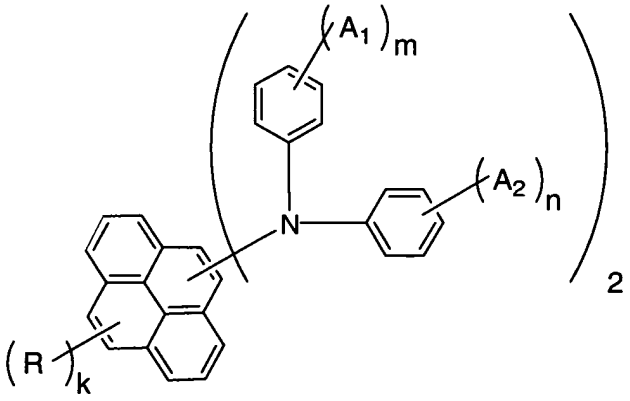
REMARKS

Claims 2, 5, 8 and 10-18, as amended, remain herein. New claims 16-18 have been added. Support for the new claims may be found throughout the specification (see, e.g., Abstract; and Examples 1 and 2 at page 31, lines 13-16 and 25-28 of the specification).

1. Claims 2, 5, 8 and 10-15 were rejected under 35 U.S.C. § 103(a) over Oh et al. U.S. Patent Application Publication 2003/0118866.

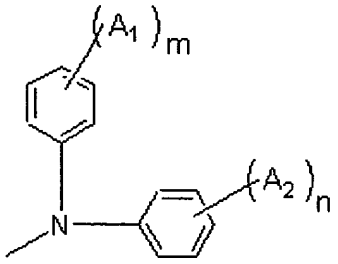
Applicant's claim 2 recites an aromatic amine derivative represented by the following general formula (II):



(II)

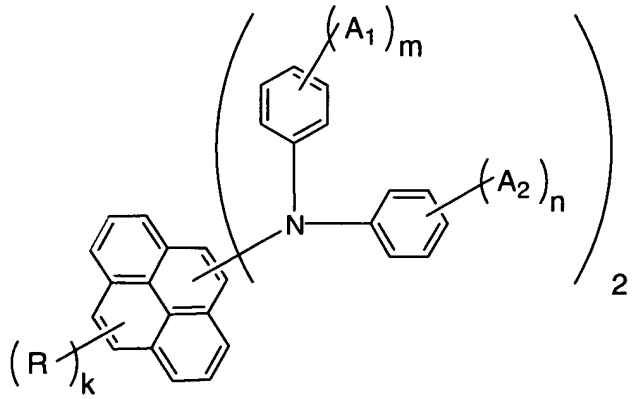
wherein A_1 and A_2 are each independently a hydrogen atom, an unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted aryl group having 5 to 50 carbon atoms, an unsubstituted cycloalkyl group having 3 to 50 carbon atoms, an unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted arylamino group having 5 to 50 carbon atoms, a cyano group or a halogen atom; with the proviso that at least one of A_1 and A_2 comprises an unsubstituted alkyl group having 2 or more carbon atoms or an unsubstituted

cycloalkyl group having 3 or more carbon atoms; and the two groups represented by the following formula:



in the general formula (II), may be the same or different from each other, and bond to the pyrene ring at the 1-position and 6-position.

Applicant's claim 8 recites an aromatic amine derivative represented by the following general formula (II'):

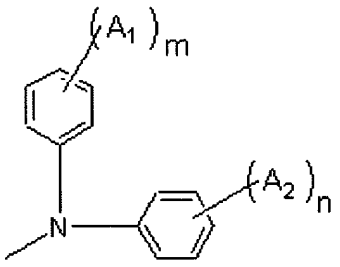


(II')

wherein A_1 and A_2 are each independently a hydrogen atom, an unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted aryl group having 5 to 50 carbon atoms, an unsubstituted cycloalkyl group having 3 to 50 carbon atoms, an unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted arylamino group having 5 to 50

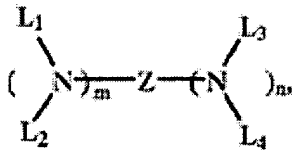
carbon atoms, a substituted or unsubstituted alkylamino group having 1 to 20 carbon atoms, a cyano group or a halogen atom; with the proviso that at least one of **m** and **n** is an integer of 2 or more; and

the two groups represented by the following formula:



in the general formula (II'), may be the same or different from each other, and bond to the pyrene ring at the 1-position and 6-position.

Oh does not disclose applicant's claimed aromatic amine derivative of claim 2 or 8. The Office Action states that applicant's claimed aromatic amine derivative reads on Oh's following structural formula:



when z is A_1 and A_1 is a pyrene group. However, Oh says nothing about bonding to the pyrene ring at the 1-position and 6-position.

In addition, unlike claim 2, Oh does not require that at least one of A_1 and A_2 comprises an unsubstituted alkyl group having 2 or more carbon atoms or an unsubstituted cycloalkyl group having 3 or more carbon atoms.

Furthermore, unlike claim 8, Oh does not require that one of **m** and **n** is an integer of 2 or more.

Applicant's claimed aromatic amine derivative is not obvious, but achieves superior and unexpected properties, namely, organic electroluminescent devices having superior efficiency of light emission and longer service life (compare the devices of Examples 1-2 to those of Comparative Example 1). In Examples 1 and 2, A_1 and/or A_2 comprise alkyl groups having 2 or more carbon atoms, while in Comparative Example 1, A_1 and/or A_2 comprise alkyl groups having 1 carbon atom only. The applicant's claimed element requiring that at least one of A_1 and A_2 comprises an unsubstituted alkyl group having 2 or more carbon atoms or an unsubstituted cycloalkyl group having 3 or more carbon atoms, is not obvious.

Further, applicant's claimed aromatic amine derivative is distinct from and non-obvious over Oh's host material having Oh's structural formula above, because the claimed aromatic amine derivative is capable of emitting blue light. See Abstract and in Examples 1 and 2 which emit at 476 nm and 477 nm respectively (page 31, lines 13-16 and 25-28 of the specification). On the other hand, Oh states that the host materials emit above 500 nm:

> In this case, a maximum PL luminescent peak is at least 550 nm and maximum PL luminescent peaks of the first and second host materials are 500-600 nm.

Oh at paragraph [0057].

Evidence rebutting an obviousness rejection includes evidence that the claimed invention yields unexpectedly improved properties, or properties not present in the prior art. In re Dillon, 919 F.2d 688, 692-93 (Fed. Cir. 1990); MPEP § 2145.

Thus, Oh does not disclose all elements of applicant's claims. Further, Oh discloses nothing that would have suggested applicant's claimed invention to one of ordinary skill in the art. There is no disclosure or teaching in Oh or otherwise in this record, that would have suggested the desirability of modifying any portions thereof effectively to anticipate or suggest applicant's presently claimed invention. Applicant respectfully requests reconsideration and withdrawal of this rejection.

2. Claims 2, 5, 8 and 10 were provisionally rejected for alleged obviousness-type double patenting over claims 28, 31, 38, 41 and 49 of U.S. Patent Application Serial No. 11/207,933. Applicant respectfully requests deferral of any such rejection until the claims of the present application are deemed otherwise allowable.

3. Claims 2, 5, 8, 10 and 12 were provisionally rejected for alleged obviousness-type double patenting over claims 1, 2, 5, 9, 10, 14, 18 and 22 of U.S. Patent Application Serial No. 11/761,437. Applicant respectfully requests deferral of any such rejection until the claims of the present application are deemed otherwise allowable.

4. Claims 2, 5, 8 and 10-12 were provisionally rejected for alleged obviousness-type double patenting over claims 1-8 of U.S. Patent Application Serial No. 11/596,299. Applicant respectfully requests deferral of any such rejection until the claims of the present application are deemed otherwise allowable.

Accordingly, all claims are now fully in condition for allowance and a notice to that effect is respectfully requested. The PTO is hereby authorized to charge/credit any fee deficiencies or overpayments to Deposit Account No. 19-4293. If further amendments would place this application in even better condition for issue, the Examiner is invited to call applicant's undersigned attorney at the number listed below.

Respectfully submitted,

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